

# Network Equipment Surge Protector

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack Network Equipment Surge Protector provides excellent surge protection against unforeseen surges such as electrostatic discharge, lightning, and ground surge. The surge protector works with a wide variety of network communication equipment, including a personal computer (PC), plotter, printer, fax, and answering machine. It is also an ideal surge protector for USB hubs and cable modems.

**Important:** A surge or spike beyond the specified limits might overload the protection circuitry and make it inactive. If this happens, the surge protector should absorb enough of the surge to protect the connected equipment, but it will not protect against future surges and spikes. If a spike occurs and the green **PROTECTED WHEN LIT** indicator goes out, replace the surge protector.

Your surge protector's features include:

**8 AC Outlet Surge Protectors with AC Adapter Spacing** — let you plug up to 8 devices into your surge protector.

**Swift Detection of Power Surges** — detects and protects against a power surge of up to 6,000 volts and 70,500 amps within 1 nanosecond (1 billionth of a second).

**Broadband ADSL Modem Surge Protector** — provides two-line protection against surges from a connected fax modem or ADSL data connection.

**Safety Alarm** — sounds a buzzer when the AC line is no longer protected.

**Power Cord with Right Angle Plug** — ensures secure power cord connection.

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.



## CAUTION

RISK OF ELECTRIC SHOCK.  
DO NOT OPEN.



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

## Cautions:

- This product is intended for indoor use only.
- This surge protector is not a lightning arrester and will not protect against lightning-induced voltage surges.
- Be sure the total power requirements of all connected devices does not exceed 1,875 watts.

- Use the surge protector only with a three-prong standard AC plug and outlet or a grounded two-to-three prong adapter. The surge protector cannot provide protection without a grounded AC source.

## THE FCC WANTS YOU TO KNOW

We have designed your Network Equipment Surge Protector to conform to federal regulations, and you can connect it to most telephone lines. However, each device, such as a surge protector, telephone, or answering machine that you connect to the telephone line draws power from the telephone line. We refer to this power draw as the device's ringer equivalence number, or REN. The REN is on the bottom of your surge protector.

If you use more than one phone or other device on the line, add up all of the RENs. If the total is more than five (three in rural areas), your telephones might not ring. If ringer operation is impaired, remove a device from the line.

Your surge protector complies with Part 68 of *FCC Rules*. You must, upon request, provide the FCC registration number and the REN to your telephone company. Both numbers are on the bottom of the protector.

**Note:** You must not connect your surge protector to:

- coin-operated systems
- party-line systems
- most electronic key telephone systems

## SAFETY PRECAUTIONS

Your Network Equipment Surge Protector connects your fax, modem or other data line to a telephone line. When using telephone lines, it is important to follow these safety precautions.

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for use in wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

## INSTALLATION

You can place the surge protector on a level surface or mount it on a wall. Select a location that is:

- near an AC outlet
- near a telephone line jack
- out of the way of normal activities

**Caution:** Do not use the surge protector with or near an aquarium or other source of water.

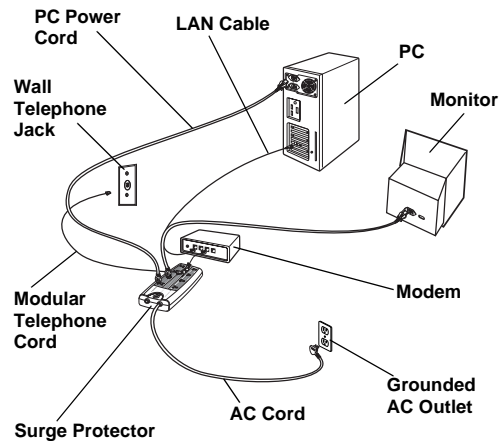
To mount the surge protector on a wall, follow these steps.

1. Use the supplied mounting template to mark the screw holes on the selected location.
2. Drive in two wood screws (not supplied) with heads that fit into the keyhole slots on the bottom of the surge protector.

**Note:** Use appropriate mounting anchors if you are mounting the surge protector to drywall.

3. Align the surge protector's keyhole slots with the wood screws, then press the surge protector down to secure it.

## CONNECTIONS



1. Press **POWER** so that it pops up (power off position).
2. Connect one end of the existing modular telephone cord to the surge protector's **DSL IN** jack, and the other end to your DSL wall jack.  
  
Connect one end of a short modular telephone cord (not supplied) to the surge protector's **DSL OUT** jack, and the other end to your DSL modem's IN jack.
3. Connect your DSL modem to your computer as directed by the modem's owner's manual.
4. Connect one end of the existing LAN cable to your modem, and the other end to your computer's modular jack.
5. Plug the surge protector's AC power cord into a three-prong standard AC outlet.
6. Plug other devices, such as a PC, printer, or answering machine, into the surge protector's 8 AC plugs as desired.

## OPERATION

### Under Normal Conditions

Push **POWER** down. **PROTECTED WHEN LIT** and **GROUNDING WHEN LIT** light. The connected devices are under the surge protector's protection.

#### Cautions:

If **GROUNDING WHEN LIT** does not light, your surge protector is not grounded. You must move it to a different grounded, three-prong AC outlet.

When the surge protector receives a current that exceeds its capacity due to overload, the 15-amp circuit breaker at the left side of the case trips to prevent possible damage, and **RESET** pops up.

To resume using the surge protector, disconnect one or more of the connected devices, then push in **RESET**.

To turn off the surge protector, press **POWER** so that it pops up. **PROTECTED WHEN LIT** and **GROUNDING WHEN LIT** go out.

### Under Abnormal Conditions

If the surge protector receives an unusually strong surge, the built-in protection absorbs the surge to protect your equipment. However, if the surge is strong enough, it will deplete the ability of the protection circuitry. The surge protector sounds an alarm. **PROTECTED WHEN LIT** goes out. The surge protector's AC line is no longer protected from surges; replace the surge protector.

## CARE

Keep the surge protector dry; if it gets wet, wipe it dry immediately. Use and store the surge protector only in normal temperature environments. Handle the surge protector carefully; do not drop it. Keep the surge protector away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the surge protector's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your surge protector is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your surge protector until you have resolved the problem.

**SPECIFICATIONS**

Number of AC Outlets .....	Eight
Circuit Breaker .....	15A
Housing Material .....	Plastic
Electrical Rating .....	125V, 15A, 1875W
Cord Length .....	7 ft with Right Angle Plug
Joules Rating/8x20µS .....	1284J
Surge Current .....	70,500 A
Response Time .....	1 Nanosecond
Number of Lines Protected .....	Three (Hot to Neutral, Hot to Ground, Neutral to Ground)
Operation Environment .....	0–50° C
UL Listed .....	UL1449, UL497A

**Technical Specifications**

ADSL Protector:	
Connector .....	RJ11 (1 In 1 Out)
Response Time .....	<1nS
Transmission Characteristic .....	Comply with Category 3
PROTECTED WHEN LIT Indicator .....	Lights green when the AC line is protected
GROUNDING WHEN LIT Indicator .....	Lights orange when the ground wire is securely connected
Protection Mode .....	1 In, 1 Out, Tip-Ground, Ring Ground
Alarm .....	Sounds after the AC line protection fails

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

## NOTES

#### LIMITED FIVE-YEAR WARRANTY AND CONNECTED EQUIPMENT GUARANTEE

**LIMITED WARRANTY** — This surge protector product is warranted by RadioShack to the original purchaser against manufacturing defects in material and workmanship under normal use for five (5) years from the date of purchase (the "Warranty Period") from RadioShack company owned stores and authorized RadioShack franchisees and dealers. In the event of a covered product defect during the Warranty Period, RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by surge protector repair without charge for parts and labor; (b) replace the surge protector with one of the same or similar design; or (c) refund the purchase price of the surge protector.

**CONNECTED EQUIPMENT GUARANTEE** — RadioShack warrants to the original purchaser of the surge protector that if any electronic equipment (the "Connected Equipment"), which is properly installed and connected (as defined below) to the surge protector and is damaged during the Warranty Period by a transient voltage surge/spike from the AC power line, telephone line or coaxial line that enters the Connected Equipment through the surge protector, RadioShack will reimburse to the original purchaser of the surge protector the lower of the: (a) Connected Equipment repair charges; (b) purchase price of equipment comparable (as determined by RadioShack) to the Connected Equipment; or (c) original purchase price of the Connected Equipment, up to a maximum of twenty-five thousand U.S. dollars (\$25,000.00) (the "Equipment Limit"). The Connected Equipment Guarantee does not cover data loss or any other damages excluded in the all capitalized paragraph below. In order to qualify for Connected Equipment reimbursement, the surge protector must be returned to RadioShack and inspection of the surge protector must show its protection capacity was exhausted by a surge. "Properly installed and connected" means the surge protector must be plugged directly into a properly wired and grounded AC outlet; no extension cords, adapters, other ground wires or electrical connections may be used to connect the surge protector to AC power. The wiring in the building must comply with all applicable codes (NEC, CSA, etc.), and all wires (power, telephone and coaxial) leading into the Connected Equipment must pass through the surge protector. To claim damage to Connected Equipment as a result of telephone line transients, the surge protector must provide telephone line protection, and your telephone service equipment must include a properly installed and operating "primary protection" device at the service entrance. Primary protection devices are normally available from the telephone company and added during telephone line installation. To claim damage to Connected Equipment as a result of coaxial line transients, the surge protector must provide coaxial line protection.

This Limited Warranty and Connected Equipment Guarantee applies only to the original purchaser of the surge protector.

**EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY OR CONNECTED EQUIPMENT GUARANTEE, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

To make a claim for surge-induced damage to Connected Equipment, you must:

1. Call RadioShack at 1-888-353-1560 for a return authorization number during the Warranty Period. Under no circumstances will a claim for surge-induced damage to Connected Equipment be accepted without a return authorization number;
2. Have any surge-induced, damaged Connected Equipment repaired (or get an estimate for repair) by a service center authorized by the manufacturer of the Connected Equipment unless the service center determines that the Connected Equipment is not repairable or that the cost of repair will be more than the purchase price of comparable replacement equipment. If the Connected Equipment is not to be repaired, get a written quotation for the purchase price of comparable replacement equipment. In no event will RadioShack reimburse more than the Equipment Limit. The repair bill or estimate from the authorized service center must indicate that the damage to the Connected Equipment was surge-induced; and
3. Ship the original surge protector, postage prepaid to: RadioShack, 5673 Gibraltar Drive, Suite 150, Pleasanton, CA 94588. Include: (a) your name, address and daytime telephone number; (b) the original or a photocopy of the sales receipt for the surge protector; (c) a brief description of any problem with the surge protector; (d) a brief description of how the damage to the Connected Equipment occurred; (e) the original authorized service center repair bill or estimate documenting that the damage to the Connected Equipment was surge-induced; and (f) if replacement equipment is to be purchased, the original or a photocopy of the quotation for comparable replacement equipment and the authorized service center repair estimate must contain a statement that the Connected Equipment is not repairable or that the cost of repair will be more than the purchase price of comparable replacement equipment.

If RadioShack determines that damage to Connected Equipment is covered, RadioShack will reimburse, up to the Equipment Limit amount defined above, to the original purchaser of the surge protector the lower of the: (a) repair charges; (b) purchase price of comparable replacement equipment; or (c) the original purchase price of the Connected Equipment. In addition, in the event of a covered product defect during the Warranty Period, RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by surge protector repair without charge for parts and labor; (b) replace the surge protector with one of the same or similar design; or (c) refund the purchase price of the surge protector.

To make a warranty claim for a defect in the surge protector without a claim for surge-induced damage to Connected Equipment, you must, during the Warranty Period, take the surge protector and the RadioShack sales receipt as proof of purchase date to any RadioShack store.

All replaced parts, products, and Connected Equipment and products and Connected Equipment on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts in surge protectors and replacement surge protectors are warranted for the remainder of the Warranty Period. You will be charged for repair or replacement of the product made after the expiration of the Warranty Period.

This Limited Warranty and Connected Equipment Guarantee does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning; (b) any repairs other than: (i) surge protector repairs provided by a RadioShack Authorized Service Facility; and (ii) reimbursement of the cost of initial repairs to Connected Equipment performed by a service center authorized by the manufacturer of the Connected Equipment; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product or Connected Equipment removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, Sixth Floor, Fort Worth, Texas 76102

*We Service What We Sell*

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